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022404

17236 US PTO
UTILITY
PATENT APPLICATION
TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 040061

First Inventor Gilbert R. Broom

Title Method and Apparatus ...

Express Mail Label No. EV 256982659 US

10/7/04 PTO 22858 10/7/04 PTO 22404

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO: Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria VA 22313-1450

- Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
- Applicant claims small entity status.
See 37 CFR 1.27.
- Specification [Total Pages 16]
(preferred arrangement set forth below)
 - Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
- Drawing(s) (35 U.S.C. 113) [Total Sheets 4]
- Oath or Declaration [Total Sheets 3]
 - a. Newly executed (original or copy)
 - b. Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 18 completed)
 - i. DELETION OF INVENTOR(S)
Signed statement attached deleting inventor(s) name in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
- Application Data Sheet. See 37 CFR 1.76
- CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
- Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
 - a. Computer Readable Form (CRF)
 - b. Specification Sequence Listing on:
 - i. CD-ROM or CD-R (2 copies); or
 - ii. Paper
 - c. Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

- Assignment Papers (cover sheet & document(s))
- 37 CFR 3.73(b) Statement Power of Attorney (when there is an assignee)
- English Translation Document (if applicable)
- Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations
- Preliminary Amendment
- Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
- Certified Copy of Priority Document(s) (if foreign priority is claimed)
- Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
- Other:

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

 Continuation Divisional Continuation-in-part (CIP) of prior application No.: 09/601,560Prior application information: Examiner William P. Neuder Art Unit: 3672
For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a continuation or divisional application is filed.

CORRESPONDENCE ADDRESS

 Customer Number: 23464 OR Correspondence address below

Name	Bryan H. Opalko			PATENT TRADEMARK OFFICE		
Address	Buchanan Ingersoll PC 301 Grant Street, 20th Floor					
City	Pittsburgh	State	Pennsylvania	Zip Code	15219	
Country	United States	Telephone	412-562-1893		Fax	412/562-1041

Name (Print/Type)	Bryan H. Opalko, Esq.	Registration No. (Attorney/Agent)	40,751
Signature			Date 2-24-2004

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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17236
022404
U.S.P.T.O.

FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 514.00)

Complete if Known

Application Number	Unassigned (Cont. of 09/601,560)
Filing Date	Herewith
First Named Inventor	Gilbert R. Broom
Examiner Name	Unassigned
Art Unit	Unassigned
Attorney Docket No.	040061

METHOD OF PAYMENT (check all that apply)

Check Credit card Money Order Other None

 Deposit Account:Deposit Account Number
Deposit Account Name02-4553
Buchanan Ingersoll

The Director is authorized to: (check all that apply)

Charge fee(s) indicated below Credit any overpayments
 Charge any additional fee(s) or any underpayment of fee(s)
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code (\$)	Fee Code (\$)		
1001 770	2001 385	Utility filing fee	385
1002 340	2002 170	Design filing fee	
1003 530	2003 265	Plant filing fee	
1004 770	2004 385	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	
SUBTOTAL (1)		(\$ 385.00)	

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Independent Claims	Multiple Dependent	Extra Claims	Fee from below	Fee Paid
18	6		-20** = 0	0	0
			-3** = 3	3	43
					129

Large Entity	Small Entity	Fee Description
Fee Code (\$)	Fee Code (\$)	
1202 18	2202 9	Claims in excess of 20
1201 86	2201 43	Independent claims in excess of 3
1203 290	2203 145	Multiple dependent claim, if not paid
1204 86	2204 43	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent
SUBTOTAL (2)		(\$ 129.00)

**or number previously paid, if greater; For Reissues, see above

3. ADDITIONAL FEES

Large Entity Small Entity

Fee Code (\$)	Fee (\$)	Fee Code (\$)	Fee (\$)	Fee Description	Fee Paid
1051 130	2051 65	65	Surcharge - late filing fee or oath		
1052 50	2052 25	25	Surcharge - late provisional filing fee or cover sheet		
1053 130	1053 130	130	Non-English specification		
1812 2,520	1812 2,520	2,520	For filing a request for ex parte reexamination		
1804 920*	1804 920*	920*	Requesting publication of SIR prior to Examiner action		
1805 1,840*	1805 1,840*	1,840*	Requesting publication of SIR after Examiner action		
1251 110	2251 55	55	Extension for reply within first month		
1252 420	2252 210	210	Extension for reply within second month		
1253 950	2253 475	475	Extension for reply within third month		
1254 1,480	2254 740	740	Extension for reply within fourth month		
1255 2,010	2255 1,005	1,005	Extension for reply within fifth month		
1401 330	2401 165	165	Notice of Appeal		
1402 330	2402 165	165	Filing a brief in support of an appeal		
1403 290	2403 145	145	Request for oral hearing		
1451 1,510	1451 1,510	1,510	Petition to institute a public use proceeding		
1452 110	2452 55	55	Petition to revive - unavoidable		
1453 1,330	2453 665	665	Petition to revive - unintentional		
1501 1,330	2501 665	665	Utility issue fee (or reissue)		
1502 480	2502 240	240	Design issue fee		
1503 640	2503 320	320	Plant issue fee		
1460 130	1460 130	130	Petitions to the Commissioner		
1807 50	1807 50	50	Processing fee under 37 CFR 1.17(q)		
1806 180	1806 180	180	Submission of Information Disclosure Stmt		
8021 40	8021 40	40	Recording each patent assignment per property (times number of properties)		
1809 770	2809 385	385	Filing a submission after final rejection (37 CFR 1.129(a))		
1810 770	2810 385	385	For each additional invention to be examined (37 CFR 1.129(b))		
1801 770	2801 385	385	Request for Continued Examination (RCE)		
1802 900	1802 900	900	Request for expedited examination of a design application		

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)

SUBMITTED BY

Name (Print/Type)	Bryan H. Odalco	Registration No. (Attorney/Agent)	40,751	Telephone 412-562-1893
Signature			Date	2-24-2004

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CERTIFICATE OF MAILING BY "EXPRESS MAIL" UNDER 37 CFR 1.10 - SEPARATE PAPER		ATTORNEY'S DOCKET NO. 040061						
<p>IN RE APPLICATION OF Gilbert R. Broom</p> <table border="1"> <tr> <td>Serial No. Unassigned (cont. of 09/601,560)</td> <td>Filed Herewith</td> </tr> <tr> <td colspan="2">FOR METHOD AND APPARATUS FOR BORING THROUGH A SOLID MATERIAL</td> </tr> <tr> <td>GRP. ART UNIT Unassigned</td> <td>EXAMINER Unassigned</td> </tr> </table>			Serial No. Unassigned (cont. of 09/601,560)	Filed Herewith	FOR METHOD AND APPARATUS FOR BORING THROUGH A SOLID MATERIAL		GRP. ART UNIT Unassigned	EXAMINER Unassigned
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FOR METHOD AND APPARATUS FOR BORING THROUGH A SOLID MATERIAL								
GRP. ART UNIT Unassigned	EXAMINER Unassigned							
<p>"Express Mail" mailing label number</p>		EV 256982659 US						
<p>Date of deposit:</p>		February 24, 2004						
<p>I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Mail Stop Patent Application, Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450</p>								
<p>Sharon L. Marsh (Typed or printed name of person mailing paper or fee)</p>								
<p><u>Sharon L. Marsh</u> (Signature of person mailing paper or fee)</p>								